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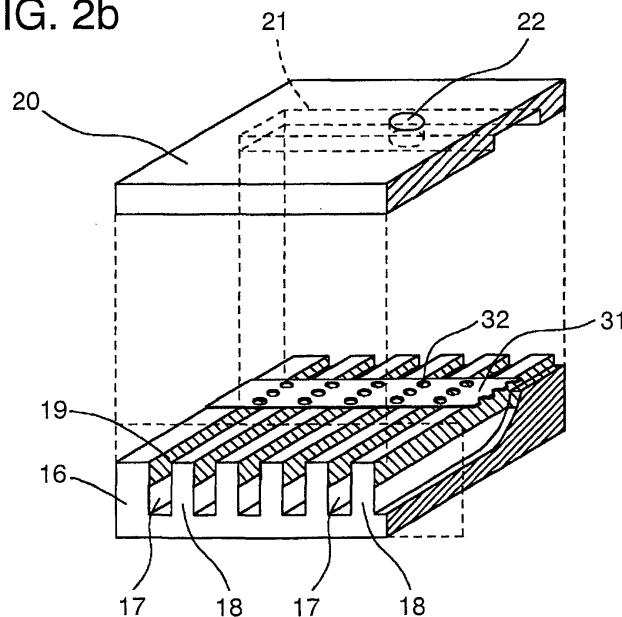
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(54) **Print head chip**

(57) To provide a head tip in which the convergence time for attenuation of the pressure inside the chamber is reduced to thereby make it possible to achieve an increase in printing speed, a head tip 11 having a structure in which a driving voltage is applied to electrodes 19 formed on the side walls 18 of a chamber 17 defined by the side walls 18 on a piezoelectric ceramic plate 16, thereby changing the volume of the chamber 17 and

causing ink filled in the chamber to be ejected through a nozzle opening 24, in which an ink chamber plate 20 is joined to the piezoelectric ceramic plate 16 so that a common ink chamber 21 communicating with one longitudinal end portion of the chamber 17 is defined, and in which a border portion where the chamber 17 and the common ink chamber 21 communicate with each other creates flow passage resistance in the ink.

FIG. 2b



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 22 July 2002	Examiner Vorwerg, N
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